

DESCRIPTION AMENDMENTS

Rewrite the paragraph beginning on page 1, line 8, to read as follows:

A flotation machine used in the recovery of valuable ingredients usually includes a flotation cell provided with an inlet aperture for feeding slurry into the cell, and an outlet aperture for the non-flotatable material to be discharged from the flotation cell. The air needed for creating froth is fed through a hollow, rotatable ~~axis~~ shaft, which ~~axis~~ shaft is connected to an agitator element that agitates the slurry in order to keep it in suspension. When the rotor serving as the agitator rotates, air is fed in the slurry, and air bubbles are dispersed in the slurry. The stator installed around the rotor guides the circulations of the suspension formed by slurry and air. The stator causes shear forces in the flows emitted from the rotor, which further affect the size of the air bubbles to be created. It can be generally maintained that the stronger the shear forces are, the smaller particles they affect. In addition, into the flotation cell there are fed reagents that are attached onto the surface of the valuable particles that are contained in the slurry and should be recovered. The reagents make the valuable particles hydrophobic and thus enhance their attachment to the air bubbles. As the valuable particles are attached to the air bubbles, the valuable particles start rising upwards, towards the free top surface of the flotation cell, where they form a stabile foam bed.

Rewrite the paragraph beginning on page 5, line 9, to read as follows:

In an embodiment according figure 3, around the flotation cell rotor 31 there is installed a stator 32 composed of structural elements 33, 34 and 35, each including one flow regulator. Those sides 37 of the structural elements 33 that are nearest to the rotor rotation axis 36 are installed so that the sides 37 are located further away from the rotation axis 36 than

those sides 38 of the structural elements 34 that are located nearest to the rotation axis, but yet nearer to the rotor rotation axis 36 than the sides 39 of the structural elements 35 that are located ~~nearest to~~ farthest from the rotation axis.